

REFERENCES

- [1] FHWA, "Highway Work Zone safety," 1999. [Online]. Available: <https://safety.fhwa.dot.gov/wz/resources/docs/drvredres.pdf>.
- [2] Road Development Authority, "Motor Traffic (Signs) Regulations," State Printing Cooperation, Colombo, 1987.
- [3] Ministry of Transport and Road Development Authority, "Manual on Traffic Control Devices; Part II, Road Work Areas-Second Edition," Colombo, 1992.
- [4] McGregor, C. J. Lynde and A. S. Griffith, "Assessing Public inconvenience in Highway Work Zones, Final Report," Washington DC, 2002.
- [5] T. Mettananda and H. Pasindu, "Study on Work Zone Management in Highway Rehabilitation Projects in Urban Areas ; A Project Report," Transportation Research Forum, Colombo, 2015.
- [6] Federal Highway Authority, "Measuring and Specifying Pavement Smoothness," June 2016. [Online]. Available: <https://www.fhwa.dot.gov/pavement/pubs/hif16032.pdf>.
- [7] E. Chatti and I. Zaaber, "NCHRP Report 720 : Estimating the Effects of Pavement Condition on Vehicle Operating Costs," Washington, 2012.
- [8] W. Paterson and T. Watanatada, "Relationships between Vehicle Speed, Ride Quality, and Road Roughness. Measuring Roughness and its effects on user cost and Comfort," Philadelphia, 1985.
- [9] T. Wang, J. Harvey, J. Lea and C. Kim, "Impact og Pavement Roughness on Vehicle Free-Flow Speed," 2013.
- [10] C. Sathish., "Effect of Road Roughness on Capacity of Two-Lane Roads," Journal of Transportation Engineering-asce - J TRANSP ENG-ASCE, 2000.
- [11] D. Cooper, P. Jordan and J. Young, "The Effect on Traffic Speeds of Resurfacing a Road," Wokingham, 1980.

- [12] Sandberg U., "Rolling Resistance-Basic information and state-of-the-art on measurement methods. Deliverable in Sub-Phase 1 of Project MIRIAM," *7th Symposium on Pavement Surface Characteristics: SURF 2012*, 2012.
- [13] C. Kalembo, M. Jeihani and A. Saka, "Pavement Roughness on Vehicle Gas Emissions in Baltimore County," Baltimore, 2012.
- [14] Environmental Protection Agency, "Environmental Protection Agency," 2019. [Online]. Available: <https://www.epa.gov/regulations-emissions-vehicles-and-engines>.
- [15] K. Ozbay, B. Barting and J. Berechman, "Estimation and Evaluation of Full Marginal Costs of Highway Transportation in New Jersey," *Journal of Transportation and Statistics 4*, 2001.
- [16] Federal Highway Administration, "Work Zone Road User Costs - Concepts and Applications," December 2011. [Online]. Available: <https://ops.fhwa.dot.gov/wz/resources/publications/fhwahop12005/sec2.htm>.
- [17] D. Curry and D. Anderson, "Procedures for Estimating Highway User Costs, Air Pollution, and Noise Effects, National Cooperative Highway Research Program Report 133," Washington, 1972.
- [18] World Bank, "Modeling Road User and Environmental Effects Models," HDM Global publications, Birmingham, 2000.
- [19] J. Zaniewski, B. Butler, G. Cunningham, G. Elkins, M. Paggi and R. Machemehl, "Vehicle Operating Costs, Fuel Consumption and Pavement type and Condition Factors, Final Report," Washington DC, 1982.
- [20] U.S. Environmental Protection Agency, "Motor Vehicle Emissions Simulator (MOVES). User Guide for MOVES2010a," U.S. Environmental Protection Agency, Washington D.C., 2010.
- [21] R. Winfrey, "Economic Analysis of Highways," International Textbook Company, 1969.
- [22] O. Claffey, "Running Costs of Motor Vehicles as affected by Road Design and Traffic, National Cooperative Highway Research Program Report 111," Washington, 1971.

- [23] Federal Highway Administration, Office of Asset Management, "Highway Economic Requirements System - State Version Overview. FHWA-IF-02-057," Washington DC, 2002.
- [24] M. Thompson, A. Unnikrishnan, Conway and C. Walton, "A Comprehensive Examination of Heavy Vehicle Emission Factors," Texas, 2010.
- [25] K. S. Nesamani, "Estimating Vehicle Emissions in Transportation Planning Incorporating the Effect of Network Characteristics on Driving Patterns," University of California, Irvine, 2007.
- [26] S. Chin, O. Franzese, D. Greene, H. Hwang and R. Gibson, "Temporary Losses of Highway Capacity and Impacts on Performance, Technical Report," TN, 2002.
- [27] Cambridge Systematics Inc, "Traffic Congestion and Reliability: Linking Solutions to Problems," Cambridge, 2004.
- [28] K. Zhang and S. Batterman, "Air Pollution and Health Risks due to Vehicle Traffic," 2013.
- [29] Federal Highway Authority, 12 03 2018. [Online]. Available: <https://www.fhwa.dot.gov/policyinformation/hpms/fieldmanual/page03.cfm>.
- [30] M. Barth, F. An, T. Younglove, G. Scora, C. Levine, M. Ross and T. Wenzel, "Development of a Comprehensive Modal Emissions Model, Final Report, NCHRP Project 25-11," Washington D.C., 2010.
- [31] HDM Global, 2010. [Online]. Available: <http://www.hdmglobal.com>.
- [32] ROMDAS, "ROMDAS About us," 2016. [Online]. Available: <https://romdas.com/about.html>.
- [33] Google Inc., 2017. [Online]. Available: www.google.lk.
- [34] C. Prasad, A. Swamy and G. Tiwari, "Calibration of HDM-4 Emission Models for Indian Conditions," *Procedia - Social and Behavioral Sciences*, 2013.
- [35] R. U. Islam, M. Nozawan, N. Ooguri and K. Tsunokawa, "A Preliminary Calibration Exercise of HDM- Effect (RUE) Relationships for Japanese

Conditions," *TRB-2004-6 th 6 6 International conference on managing pavements*, 2004.

- [36] M. Hamsath and H. Pasindu, "Evaluating Road User Cost for Highway Work zones- Case study for Urban Road Upgrading Projects in Sri Lanka," Colombo, 2017.
- [37] Federal Highway Administration, "Workzone Mobility and Safety Program," [Online]. Available: <https://ops.fhwa.dot.gov/wz/resources/publications/fhwahop12005/sec2.htm>.
- [38] Land Transport Authority, Singapore, "Code of Practice : Traffic Control at Work Zones," Singapore, 2006.
- [39] Federal Highway Authority, 14 May 2012. [Online]. Available: <https://www.govinfo.gov/content/pkg/FR-2012-05-14/pdf/2012-11712.pdf>.
- [40] American Traffic Safety Services Association, "Temporary Traffic Control," 2009.
- [41] Department for Transport, Great Britain, "Safery at Street Works and Road Works : A Code of Practice," 2013.